



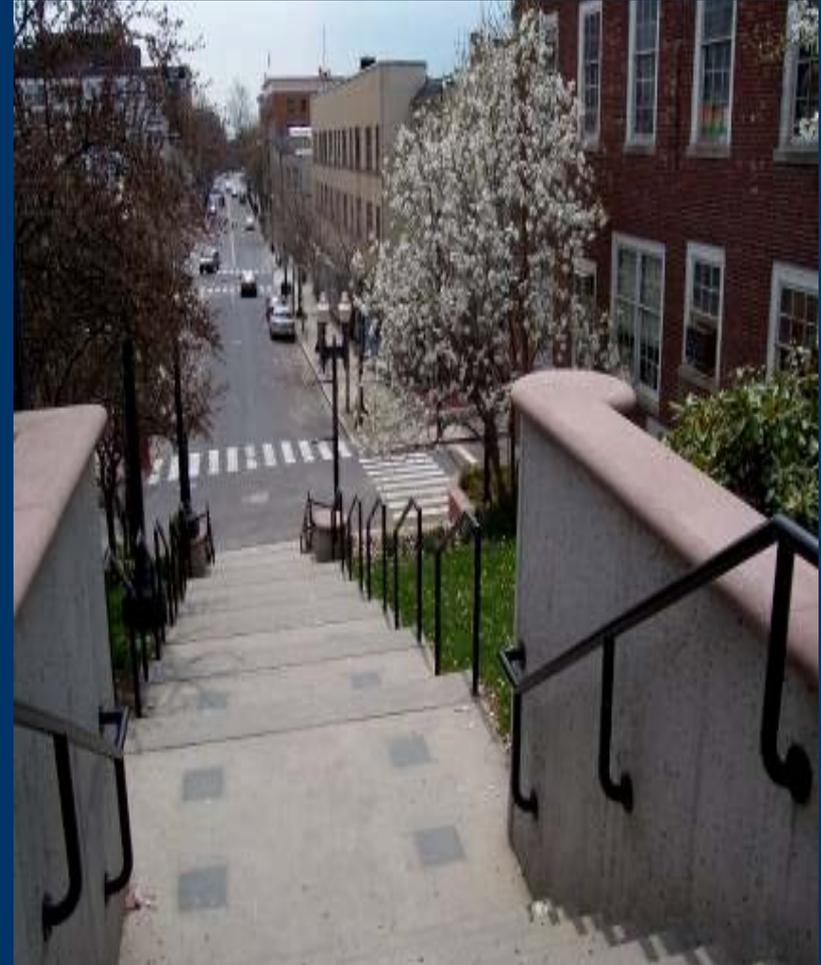
BGreen 2020

A Sustainability Plan for Bridgeport, Connecticut

*Highlights and Early Action Items Presentation to DEP
April 27, 2010*

Where We've Been

- **2009: From Vision to Plan:**
 - Establishing a framework
 - Mayor's Executive Order
 - Public/private partnership
 - CAC and five technical committees
 - Comprehensive sustainability plan
- Developing stakeholder relationships
- Identifying project and program opportunities





BGreen 2020

A Sustainability Plan
for Bridgeport, Connecticut

Energy
Recycling
Business Jobs
Green Purchasing
Land Use Transportation
Green Spaces
Water Resources

Outreach and Education



Green Energy and Buildings



- Retrofit municipal buildings and schools
 - First Project --- Burroughs Public Library
- Consolidate facilities where appropriate



Energy Improvement District

- **Green Energy Park**
- **Biomass study to convert sludge to electricity**
- **Municipal building retrofit financing**
- **Solar leasing initiatives**
- **Community weatherization programs**
- **Comprehensive Energy Plan**



Green Business, Jobs and Purchasing

- **Green Collar Institute**
 - Green Business Incubator
 - Green Collar Jobs Training
 - Green Business Resource Center
 - Environmentally preferred purchasing
 - Regional Green Collar Corridor





Zoning and GIS for Green Development



- **New zoning regulations**
- **Green building incentives**

GIS-supported land planning

- **Brownfield redevelopment**
- **Pocket Parks**
- **Flood management**

Transit First and Complete Streets



- **Transit incentive programs**
- **Sidewalk enhancement near transit**
- **Bikeways**
 - E/W and N/S arteries
 - Neighborhood connectors
 - Safe Routes to School
- **Complete streets**
 - Multimodal neighborhood resources and amenities

Open Space Planning

- **Waterfront access**
- **Pocket parks**
- **Natural resource protection**
- **Community gardens & urban farming**
- **Blue/Green infrastructure**



Water Resources

- **Stewardship**
 - Storm drain marking
 - Rain barrels and rain gardens
- **Green infrastructure**
 - Permeable paving
 - Bioswales
 - Field scale demonstrations
 - Long Term Control Planning integration



Recycling



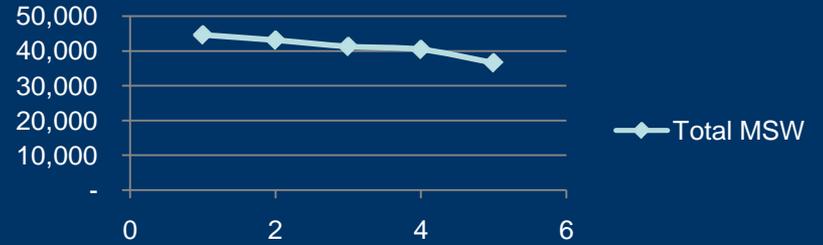
- Recycle Bank pilot in residential sector
- Single Stream
- Commercial demonstration projects
- Recycling in all schools
- New composting center with re-entry community
- Construction and debris materials recycling



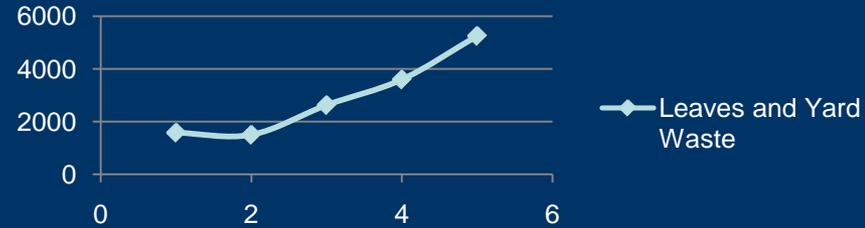
MSW and Recycling/Composting

Tons	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10
Total MSW	44,662	43,137	41,310	40,450	36,584
Leaves and Yard Waste	1,581	1,500	2,626	3,596	5,250
Total Residential Recycling	2,438	2,111	2,291	2,362	2,775
Tons Recycled % (MSW + Rec)	4.70	4.30	4.90	5.10	5.40

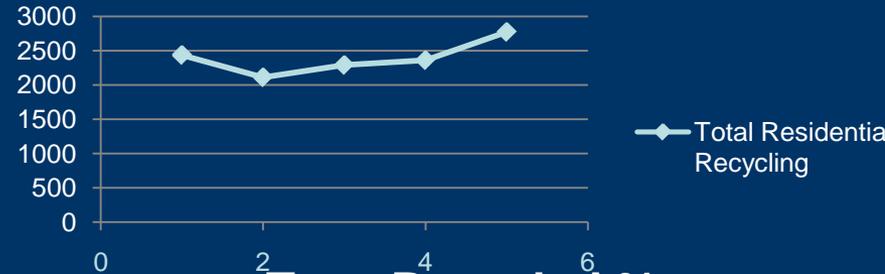
Total MSW



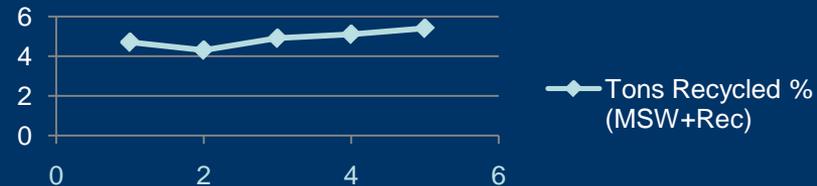
Leaves and Yard Waste



Total Residential Recycling



Tons Recycled % (MSW+Rec)





Composting

1. Working with EPA and DEP on a composting pilot that involves including schools, businesses and city facilities.
2. As you can see from the previous slide we are seeing a substantial increase in leaves and yard waste as well.
3. The idea ultimately is to include the Re-Entry Community as a potential source of green jobs.
4. Additionally we are studying the potential for a biomass facility that could use this material to increase the temperature in an anaerobic digestion process to increase the effectiveness for the production of clean energy.
5. Revenue from this process could be used to fund additional programs,



2010 Early Actions

- **Recycling and Waste Management**
 - **Commercial recycling demonstration**
 - **Composting facility design**
 - **School based recycling**
 - **Sludge to methane system design (for electricity) or to a biomass (for gasification)**



2010 Early Actions

- **Alternative Energy**
 - **Downtown Roof Tops Solar Leasing - 183 acres
24 MW**
 - **Green Energy Park- 5-8 MW renewable energy**
- **Conservation**
 - **Energy Performance Contracting**
 - **City: Reduce 95M KBTU by 10% in 5 yrs**
 - **BOE: Reduce 251M K BTU by 10% in 5 yrs**
- **Consolidation**
 - **Reduce City footprint**



2010 Early Actions

- **Green Business and Jobs**
 - **Formation of Green Collar Institute**
 - **Expanded green collar jobs training**
 - **Green business incubator planning**
 - **Creation of Green Business Resource Center – to green existing businesses**



2010 Early Actions

- **Green Infrastructure**
 - **Greenscaper training – rain gardens**
 - **Urban forest canopy – public/private initiative**
 - **Field scale demonstration**
 - **Green infrastructure integration into Long Term Control Planning**



2010 Early Actions

- **Green Spaces**
 - Green space development planning
 - Community gardens and urban farming initiatives
- **Transportation**
 - Complete streets demonstration project
- **Education and Outreach**
 - Mayor's Conservation Corps



Community Outreach and Engagement



- Institutionalize Mayor's Conservation Corps
- Local Capacity Building
 - BGreen Ambassadors
 - EJ Community
 - Neighborhood organizations
 - Community leaders
- Sustainability curriculum